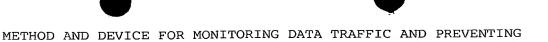
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ABSTRACT OF THE DISCLOSURE

device for protecting a network by method and monitoring both incoming and outgoing data traffic on multiple and preventing transmission of network, the unauthorized data across the ports. The monitoring system is provided in a non-promiscuous mode and automatically denies access to data packets from a specific source if it is determined that the source is sending unauthorized data (e.g., suspicious data or a denial of service attack). All other packets from sources not transmitting unauthorized data are The monitoring system processes allowed to use the same port. copies of the data packets resulting in minimal loss of throughput. The system is also highly adaptable and provides dynamic writing and issuing of firewall rules based on sample threshold value for the number of packets time and a Information regarding the data packets is transmitted. captured, sorted and cataloged to determine attack profiles and unauthorized data packets.

UNAUTHORIZED ACCESS TO A NETWORK